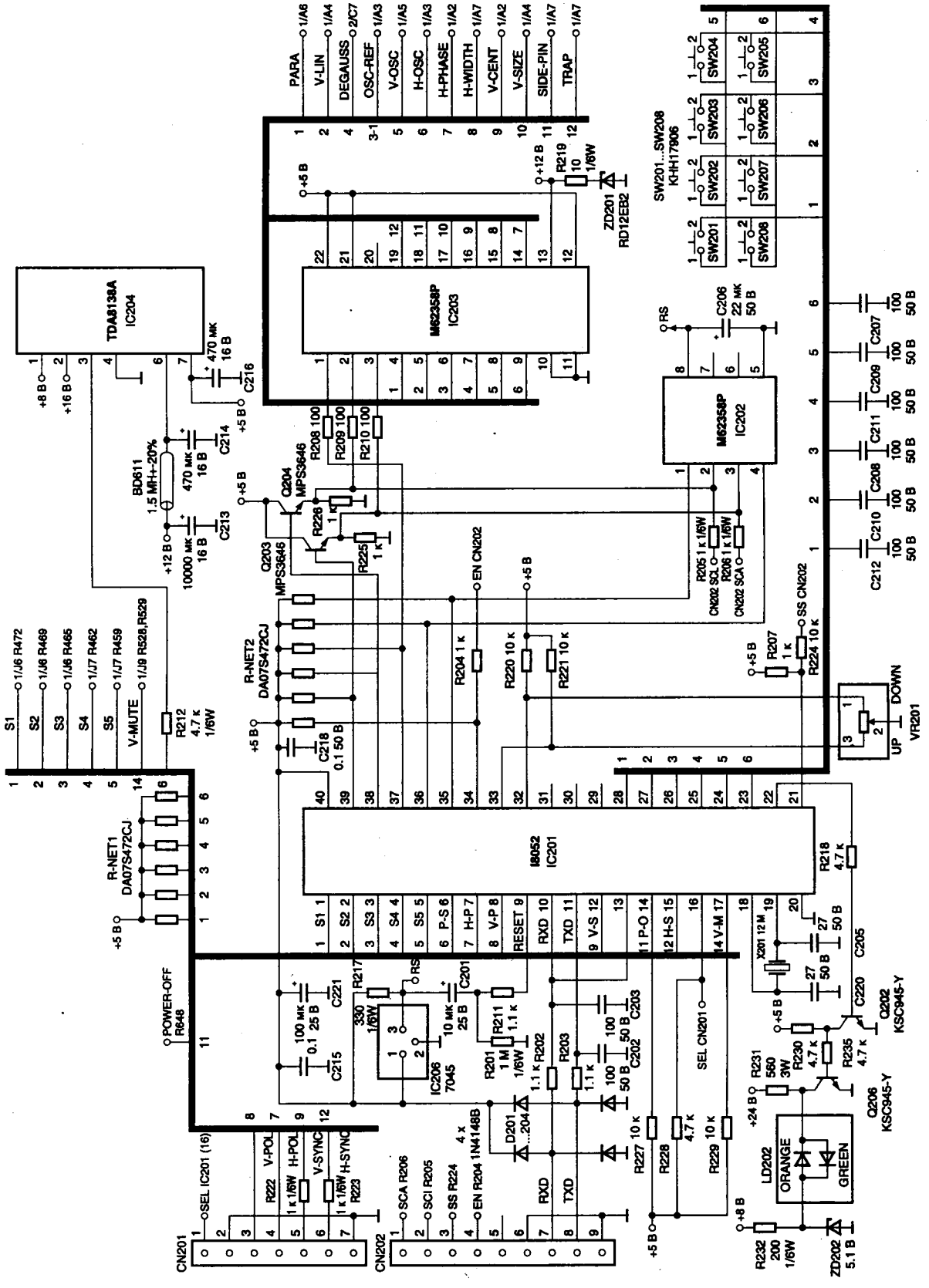
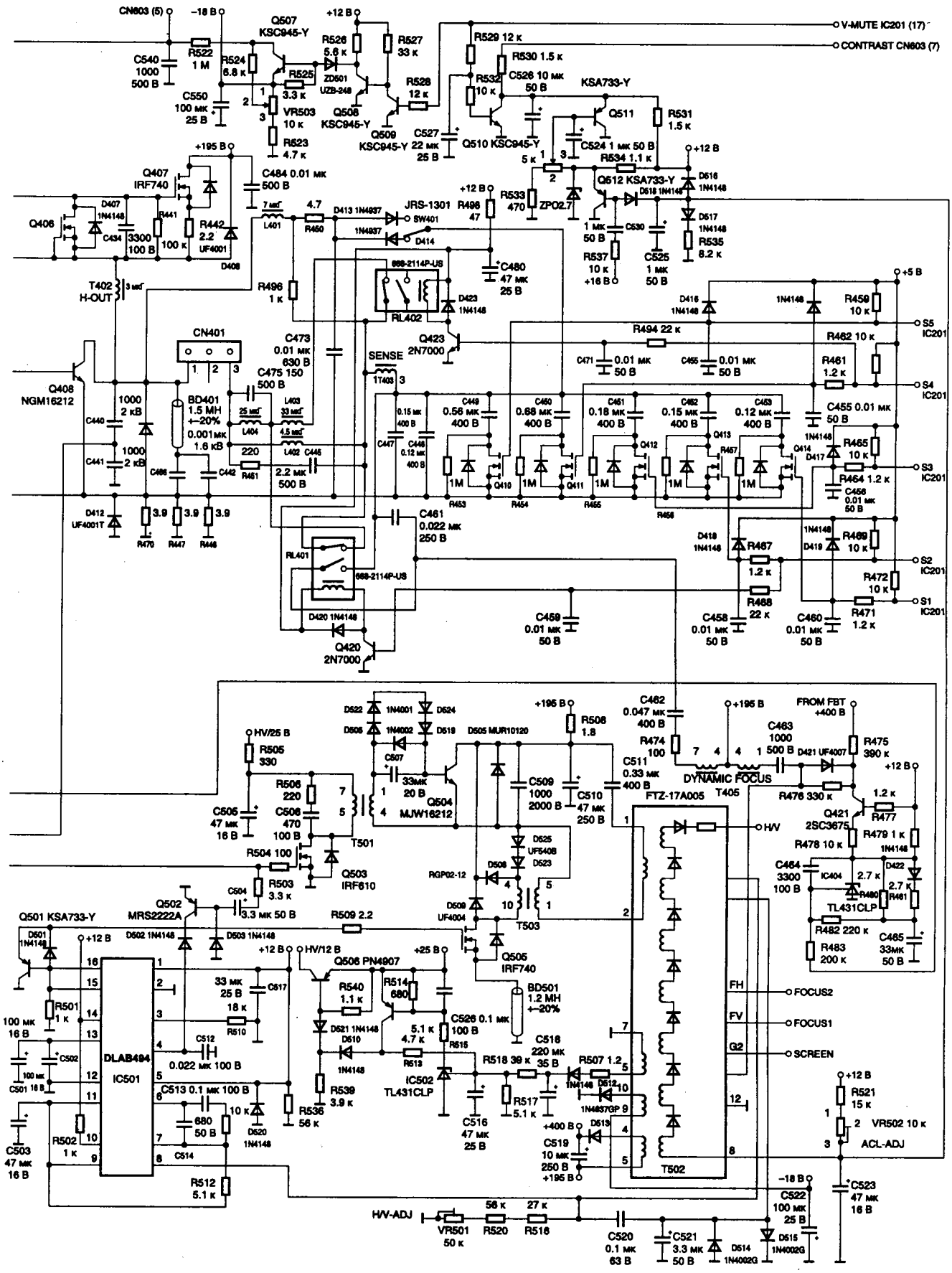
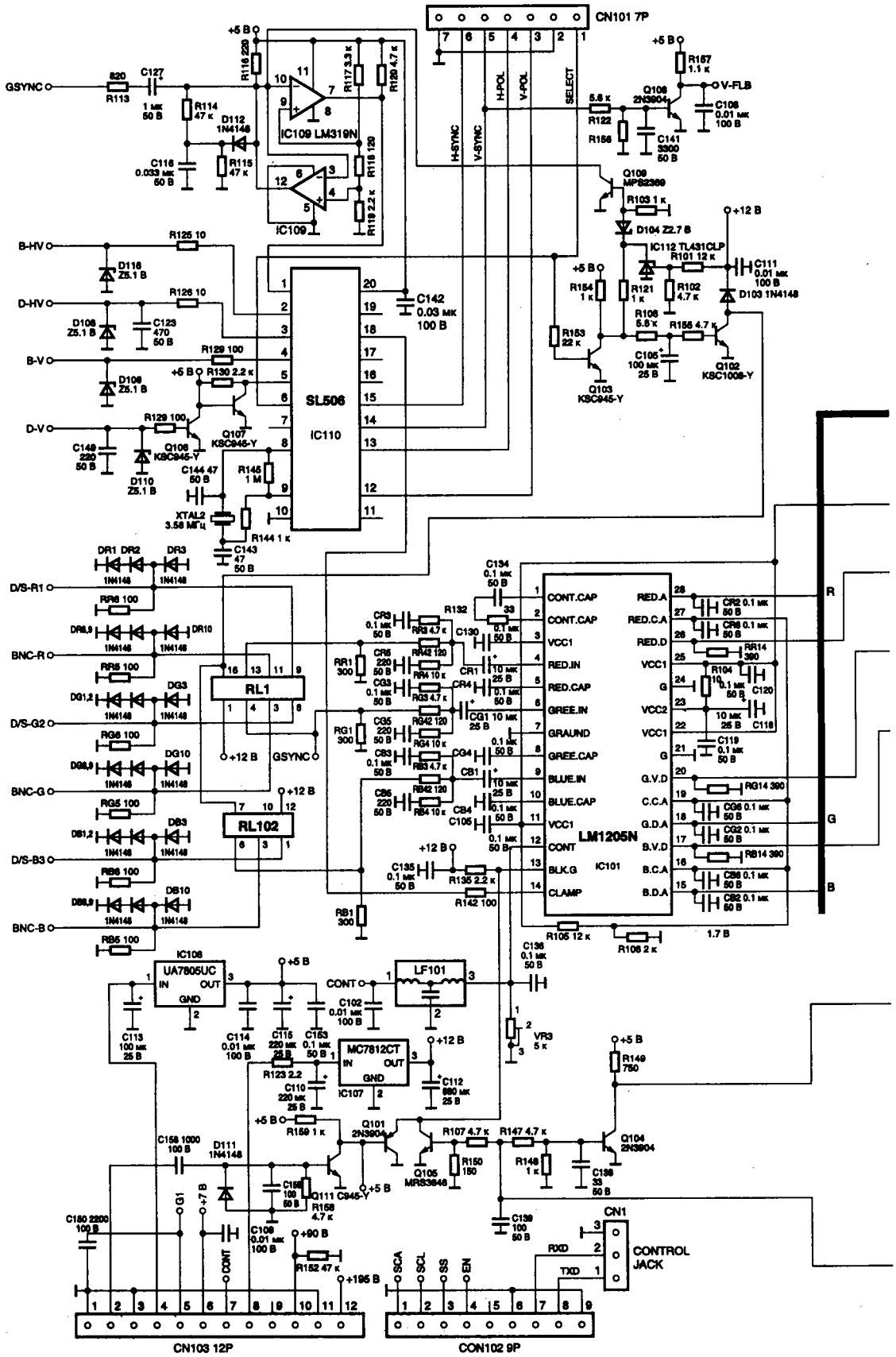
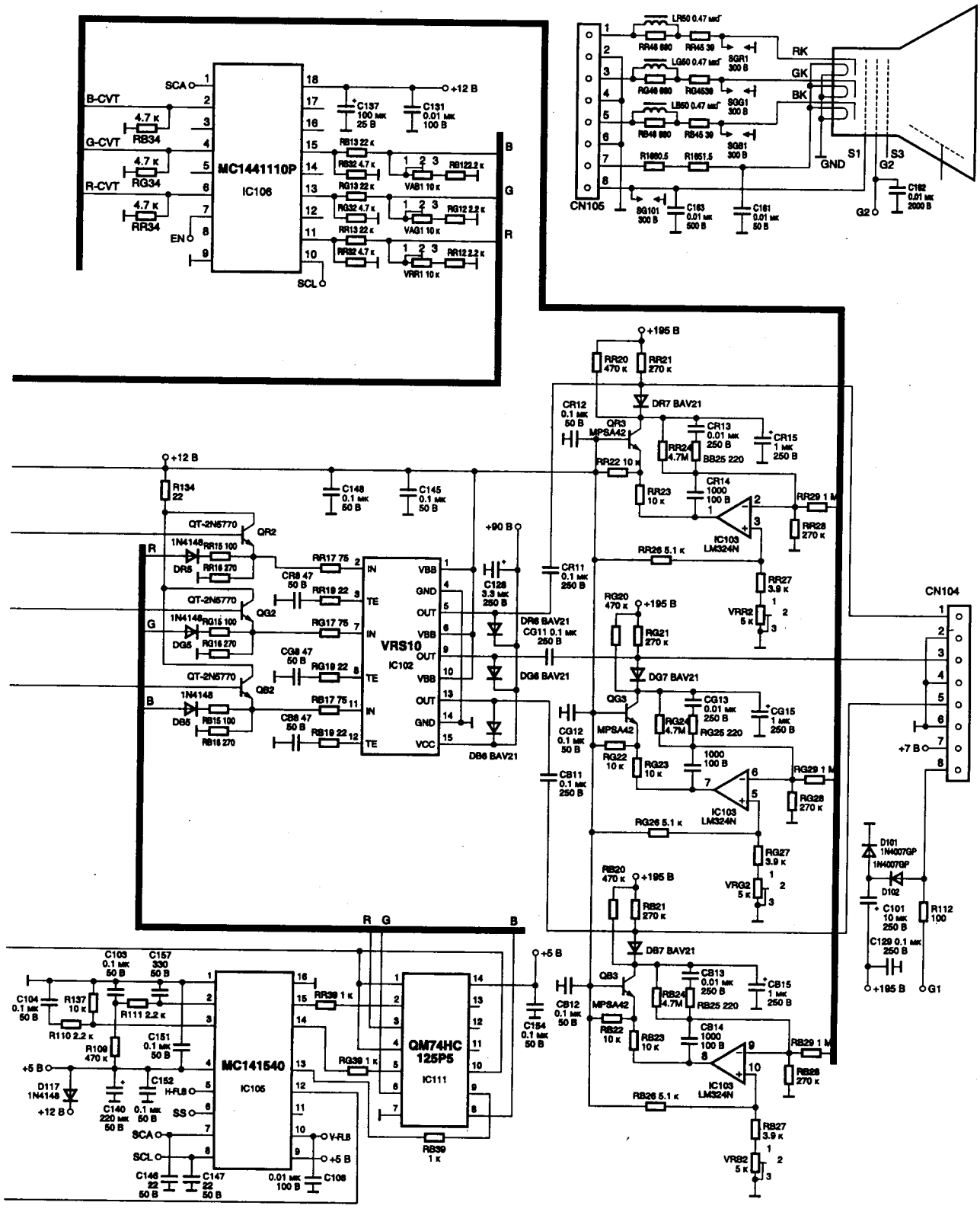
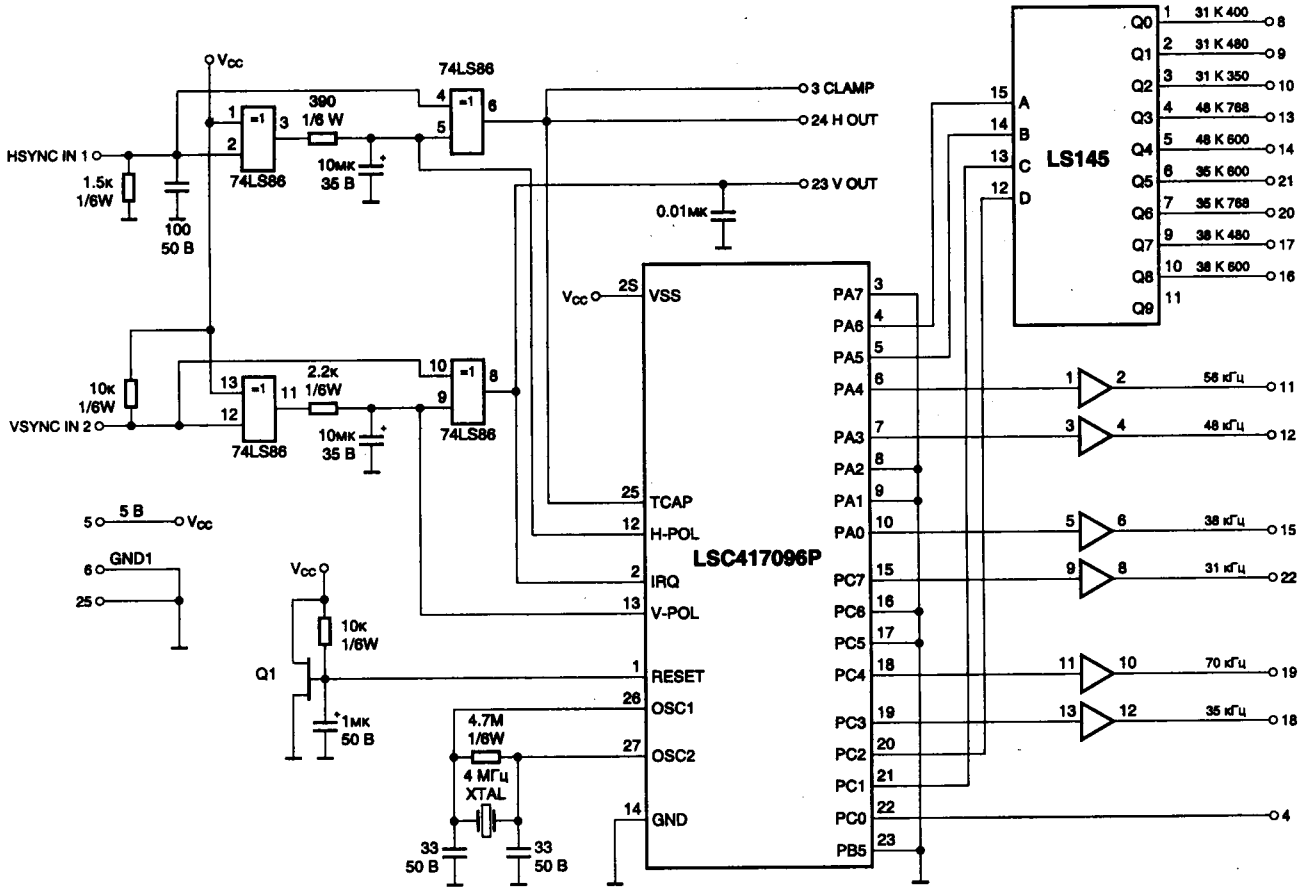

PARA
V-LIN
DEGAUSS
OSC-REF
V-OSC
H-OSC
H-PHASE
H-WIDTH
V-CENT
V-SIZE
SIDE-PIN
TRAP
SW201...SW208
KHH17906
M62358P
IC203
M62358P
IC202
TDA8138A
IC204
I8052
IC201
R-NET1
DA07S472CJ
R-NET2
DA07S472CJ
BD611
1.5 MH+-20%
Q204
MPS3646
Q203
MPS3646
Q206
KSC945-Y
Q202
KSC945-Y
VR201
UP
DOWN
POWER-OFF
R648
V-MUTE
LD202
ORANGE
GREEN
ZD201
RD12EB2
ZD202
5.1 B
IC206
7045
CN201
CN202
SEL IC201 (16)
SCA R206
SCI R205
SS R224
EN R204
RXD
TXD
SEL CN201
SS CN202
EN CN202
CN202 SCL
CN202 SCA
4 x
D201
...204
1N4148B

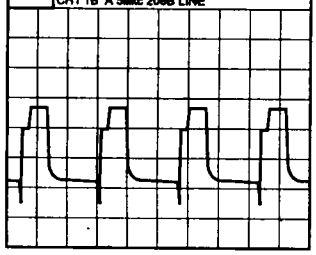

CN603 (5)
-18 В
Q507 KSC945-Y
+12 В
R526 5.6 к
R527 33 к
R529 12 к
R530 1.5 к
V-MUTE IC201 (17)
CONTRAST CN603 (7)
R522 1 М
R524 6.8 к
R525 3.3 к
ZD501 UZB-248
R528 12 к
R532 10 к
C526 10 мк 50 В
KSA733-Y
C540 1000 500 В
C550 100 мк 25 В
VR503 10 к
Q508 KSC945-Y
Q509 KSC945-Y
C527 22 мк 25 В
Q510 KSC945-Y
Q511
R531 1.5 к
C524 1 мк 50 В
R534 1.1 к
R523 4.7 к
+195 В
Q407 IRF740
C484 0.01 мк 500 В
+12 В
R533 470
ZPO2.7
Q512 KSA733-Y
D516 1N4148
D518 1N4148
D517 1N4148
R535 8.2 к
C530 1 мк 50 В
C525 1 мк 50 В
R537 10 к +16 В
Q406
D407 1N4148
C434 3300 100 В
R441 100 к
R442 2.2
UF4001
D408
7 мкГ
L401
4.7
R450
D413 1N4937
1N4937
JRS-1301 SW401
D414
R498 47
888-2114P-US
C480 47 мк 25 В
T402 H-OUT
3 мкГ
R496 1 к
RL402
D423 1N4148
+5 В
D416 1N4148
1N4148
R459 10 к
S5 IC201
R494 22 к
R482 10 к
Q423 2N7000
SENSE
1T403 3
C471 0.01 мк 50 В
C455 0.01 мк 50 В
R461 1.2 к
S4 IC201
CN401
C473 0.01 мк 630 В
C475 150 500 В
Q408 NGM16212
1000 2 кВ
BD401 1.5 МН +-20% 0.001мк 1.6 кВ
L403 33 мкГ
L404 25 мкГ
220
R451
L402 C445 4.5 мкГ
2.2 мк 500 В
C449 0.56 мк 400 В
C450 0.68 мк 400 В
C451 0.18 мк 400 В
C452 0.15 мк 400 В
C453 0.12 мк 400 В
C455 0.01 мк 50 В
R465 10 к
S3 IC201
R464 1.2 к
C456 0.01 мк 50 В
D412 UF4001T
3.9
R470
R447
R446
C461 0.022 мк 250 В
RL401
888-2114P-US
D420 1N4148
Q420 2N7000
C459 0.01 мк 50 В
D418 1N4148
R467 1.2 к
R468 22 к
R469 10 к
S2 IC201
R472 10 к
R471 1.2 к
S1 IC201
C458 0.01 мк 50 В
C460 0.01 мк 50 В
D522 1N4001
D624
D505 1N4002
D619
D505 MUR10120
+195 В
R508 1.8
C462 0.047 мк 400 В
+195 В
FROM FBT +400 В
C463 1000 2000 В
R475 390 к
D421 UF4007
HV/25 В
R505 330
C507 33мк 20 В
C509 1000 2000 В
C510 47 мк 250 В
C511 0.33 мк 400 В
R474 100
DYNAMIC FOCUS
T405
FTZ-17A005
+12 В
R506 220
C505 47 мк 16 В
C506 470 100 В
Q504 MJW16212
T501
R504 100
Q503 IRF610
D525 UF5408
D508
D523
RGP02-12
R476 330 к
Q421 2SC3675
R477 1.2 к
R478 10 к
R479 1 к
1N4148
H/V
C484 3300 100 В
IC404
2.7 к
R480
2.7 к
R481
D422
TL431CLP
R482 220 к
R483 200 к
C465 33мк 50 В
C503 47 мк 16 В
R502 1 к
R512 5.1 к
C504 3.3 мк 50 В
R503 3.3 к
Q502 MRS2222A
R509 2.2
D509 UF4004
T503
Q505 IRF740
Q501 KSA733-Y
D501 1N4148
+12 В
D502 1N4148
D503 1N4148
+12 В
HV/12 В
Q506 PN4907
+25 В
R540 1.1 к
R514 680
BD501 1.2 МН +-20%
C526 0.1 мк 100 В
R515 4.7 к
5.1 к
C516 220 мк 35 В
R518 39 к
R507 1.2
D521 1N4148
D610
1N4148
R539 3.9 к
R536 56 к
IC502 TL431CLP
R517 5.1 к
C516 47 мк 25 В
1N4148
1N4937GP
D512
D513
+400 В
C519 10 мк 250 В
+195 В
T502
FH
FV
G2
FOCUS2
FOCUS1
SCREEN
+12 В
R521 15 к
VR502 10 к
ACL-ADJ
C517 33 мк 25 В
R510 18 к
C512 0.022 мк 100 В
C513 0.1 мк 100 В
C514
680 50 В
10 к
D520 1N4148
DLAB494 IC501
100 мк 16 В
R501 1 к
C502
C501 16 В
H/V-ADJ
VR501 50 к
56 к
R520
27 к
R516
C520 0.1 мк 63 В
C521 3.3 мк 50 В
D514 1N4002G
-18 В
C522 100 мк 25 В
D515 1N4002G
C523 47 мк 16 В


CN101 7P
SL506
IC110
IC109 LM319N
IC112 TL431CLP
LM1205N
IC101
UA7805UC
MC7812CT
RL1
RL102
LF101
CN103 12P
CON102 9P
CN1
CONTROL JACK
H-SYNC
V-SYNC
H-POL
V-POL
SELECT
GSYNC
B-HV
D-HV
B-V
D-V
D/S-R1
D/S-G2
D/S-B3
BNC-R
BNC-G
BNC-B
XTAL2 3.58 МГц
CONT.CAP
RED.IN
RED.CAP
GREE.IN
GRAUND
GREE.CAP
BLUE.IN
BLUE.CAP
VCC1
CONT
BLK.G
CLAMP
RED.A
RED.C.A
RED.D
G
G.V.D
C.C.A
G.D.A
B.V.D
B.C.A
B.D.A
R
G
B
RXD
TXD
SCA
SCL
SS
EN

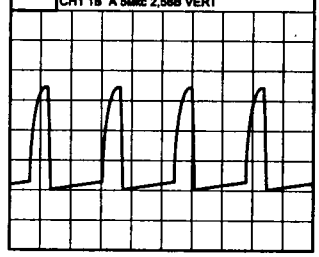

MC1441110P
IC106
SCA
B-CVT
G-CVT
R-CVT
EN
SCL
RB34
RG34
RR34
+12 В
B
G
R
CN105
RK
GK
BK
GND
S1
S3
G2
+195 В
+90 В
+5 В
+7 В
VRS10
IC102
IC103
LM324N
MPSA42
QM74HC
125P5
IC111
MC141540
IC105
CN104
G1
R
G
B


Vcc
74LS86
390
1/6 W
3 CLAMP
24 H OUT
23 V OUT
HSYNC IN 1
1.5к
1/6W
100
50 В
10мк
35 В
74LS86
0.01мк
10к
1/6W
VSYNC IN 2
2.2к
1/6W
10мк
35 В
74LS86
5 В
GND1
Vcc
10к
1/6W
Q1
1мк
50 В
4.7M
1/6W
4 МГц
XTAL
33
50 В
33
50 В
LSC417096P
VSS
TCAP
H-POL
IRQ
V-POL
RESET
OSC1
OSC2
GND
PA7
PA6
PA5
PA4
PA3
PA2
PA1
PA0
PC7
PC6
PC5
PC4
PC3
PC2
PC1
PC0
PB5
LS145
A
B
C
D
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
31 K 400
31 K 480
31 K 350
48 K 768
48 K 600
35 K 600
35 K 768
38 K 480
38 K 600
56 кГц
48 кГц
38 кГц
31 кГц
70 кГц
35 кГц

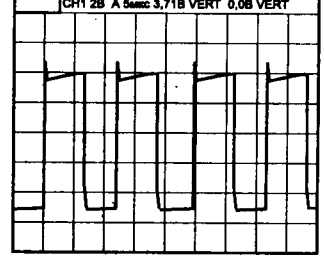
1
3,6Вр-р (Q402 BASE) CH1 P-P=3,60В
CH1 RMS=1,5391В
CH1 1В A 5мкс 200В LINE



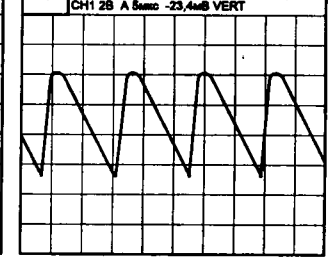
2
3,52Вр-р (IC401 PIN4) CH1 P-P=3,52В
CH1 RMS=2,0793В
CH1 1В A 5мкс 2,56В VERT



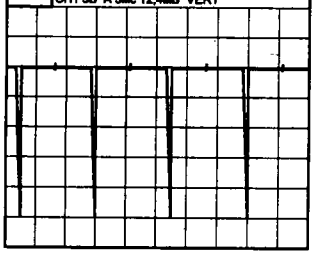
3
11Вр-р (IC401 PIN6) CH1 P-P=11,0В
CH1 RMS=7,2066В
CH1 2В A 5мкс 3,71В VERT 0,0В VERT



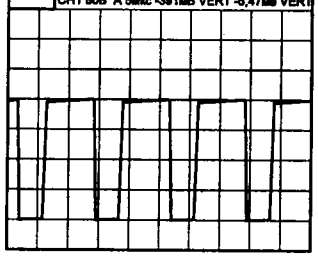
4
7,44Вр-р (T403 PIN4) CH1 P-P=7,44В
CH1 RMS=2,5413В
CH1 2В A 5мкс -23,4мВ VERT



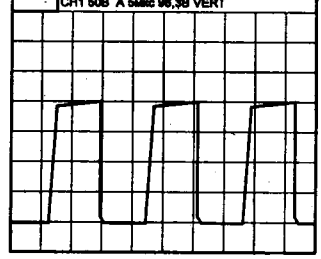
5
26Вр-р (Q304 COLL.) CH1 P-P=26,0В
CH1 RMS=24,222В
CH1 5В A 5мкс 12,4мВ VERT



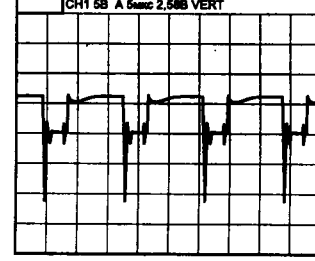
6
202Вр-р (Q407 GATE) CH1 P-P=202В
CH1 RMS=130,23В
CH1 50В A 5мкс -391мВ VERT -5,47мВ VERT



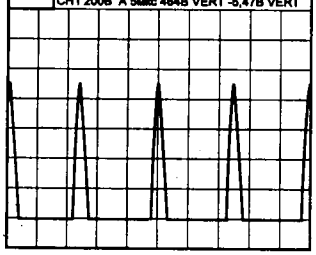
7
196Вр-р (Q407 SOURCE) CH1 P-P=196В
CH1 RMS=134,25В
CH1 50В A 5мкс 96,3В VERT



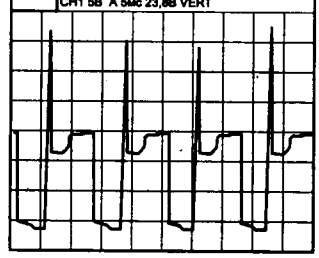
8
19,6Вр-р (Q408 BASE) CH1 P-P=19,6В
CH1 RMS=13,443В
CH1 5В A 5мкс 2,56В VERT



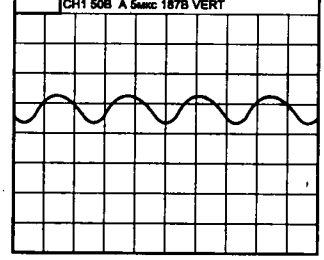
9
936Вр-р (Q408 COLL.) CH1 P-P=936В
CH1 RMS=295,51В
CH1 200В A 5мкс 464В VERT -5,47В VERT



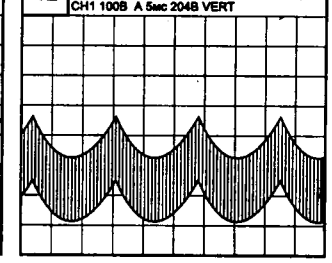
10
71,2Вр-р (Q409 DRAIN) CH1 P-P=12,6В
CH1 RMS=11,403В
CH1 5В A 5мкс 23,8В VERT



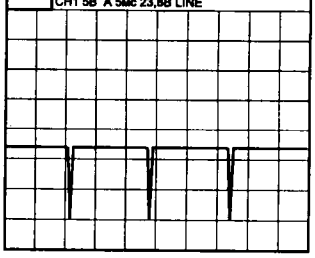
11
56Вр-р (T405 PIN7) CH1 P-P=56,0В
CH1 RMS=195,25В
CH1 50В A 5мкс 187В VERT



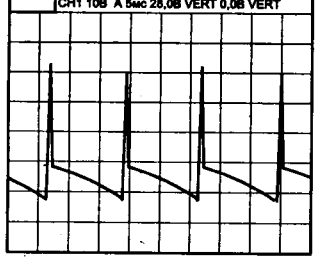
12
388Вр-р (Q421 COLL.) CH1 P-P=388В
CH1 RMS=209,25В
CH1 100В A 5мкс 204В VERT



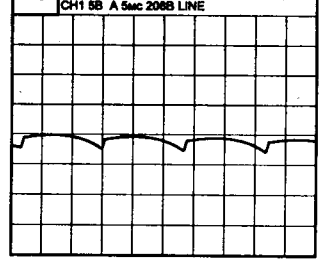
13
12,6Вр-р (Q301 COLL.) CH1 P-P=12,6В
CH1 RMS=11,403В
CH1 5В A 5мкс 23,8В LINE



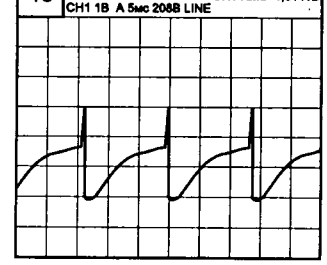
14
48Вр-р (IC301 PIN5) CH1 P-P=48,0В
CH1 RMS=15,157В
CH1 10В A 5мкс 28,0В VERT 0,0В VERT



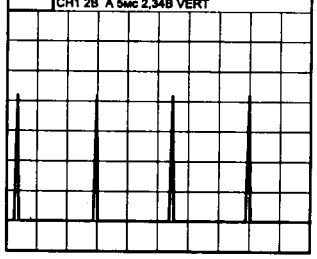
15
2,6Вр-р (CN301 PIN3) CH1 P-P=2,6В
CH1 RMS=13,765В
CH1 5В A 5мкс 200В LINE



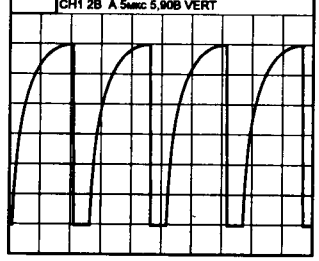
16
3,0Вр-р (Q307 BASE) CH1 P-P=3,00В
CH1 RMS=1,3141В
CH1 1В A 5мкс 200В LINE



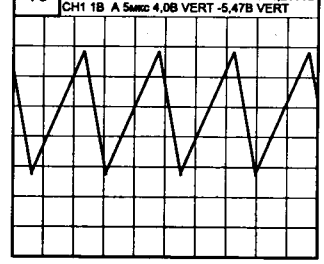
17
9,28Вр-р (Q308 COLL.) CH1 P-P=9,28В
CH1 RMS=1,5362В
CH1 2В A 5мкс 2,34В VERT



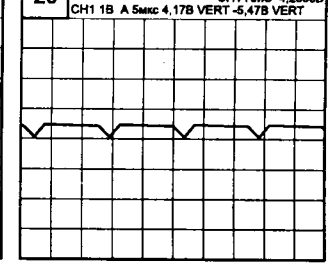
18
11,9Вр-р (Q401 COLL.) CH1 P-P=11,9В
CH1 RMS=8,7478В
CH1 2В A 5мкс 5,90В VERT



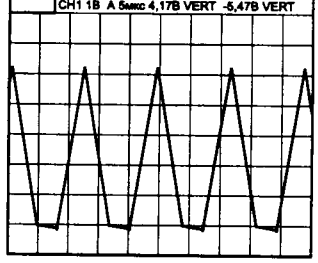
19
4,28Вр-р (IC302 PIN2) CH1 P-P=4,28В
CH1 RMS=4,2896В
CH1 1В A 5мкс 4,08 VERT -5,47В VERT



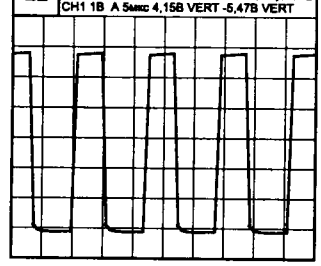
20
680мВр-р (IC302 PIN3) CH1 P-P=680мВ
CH1 RMS=4,2306В
CH1 1В A 5мкс 4,17В VERT -5,47В VERT



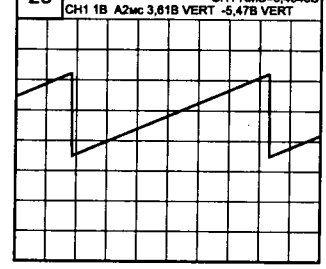
21
6512Вр-р (IC302 PIN5) CH1 P-P=6,12В
CH1 RMS=2,5268В
CH1 1В A 5мкс 4,17В VERT -5,47В VERT



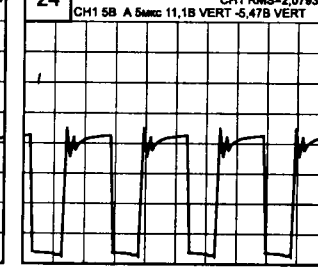
22
6,76Вр-р (IC302 PIN6) CH1 P-P=6,76В
CH1 RMS=4,1477В
CH1 1В A 5мкс 4,15В VERT -5,47В VERT



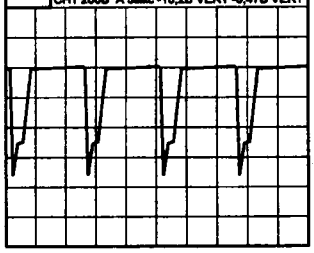
23
3,32Вр-р (IC301 PIN15) CH1 P-P=3,32В
CH1 RMS=3,4648В
CH1 1В A2мс 3,61В VERT -5,47В VERT



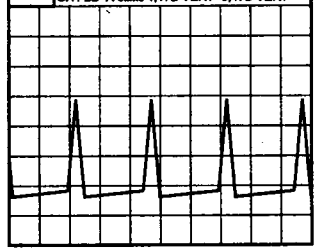
24
2,22Вр-р (Q503 DRAIN) CH1 P-P=3,52В
CH1 RMS=2,0793В
CH1 5В A 5мкс 11,1В VERT -5,47В VERT



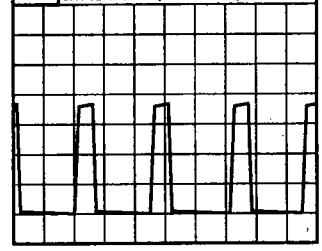
25 784Bp-p (Q504 EMITT.) CH1 P-P=784B CH1 RMS=258,52B
CH1 200B A 5мкс -10,2B VERT -5,47B VERT



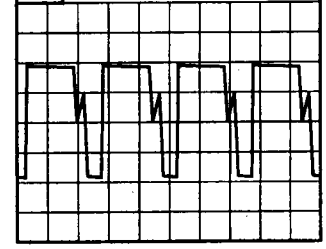
26 7,88Bp-p (IC802 PIN4) CH1 P-P=7,88B CH1 RMS=2,7409B
CH1 2B A 5мкс 1,17B VERT -5,47B VERT



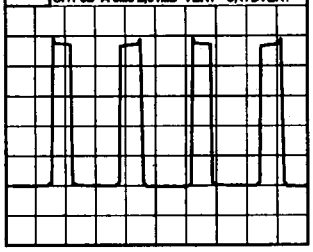
27 16,8Bp-p (IC802 PIN6) CH1 P-P=16,8B CH1 RMS=6,0762B
CH1 5B A 5мкс 1,17B VERT -5,47B VERT



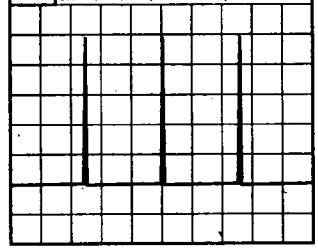
28 396Bp-p (Q804 DRAIN) CH1 P-P=3,96B CH1 RMS=2,5413B
CH1 100B A 5мкс 20B VERT -5,47B VERT



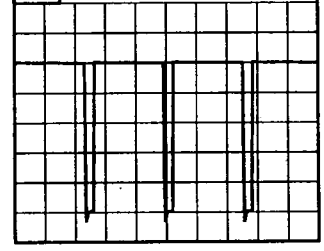
29 5,16Bp-p (IC110 PIN15) CH1 P-P=5,16B CH1 RMS=2,4043B
CH1 5B A 5мкс 2,01mB VERT -5,47BVERT



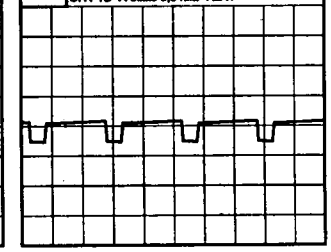
30 5,08Bp-p (IC110 PIN14) CH1 P-P=5,08B CH1 RMS=622,7mB
CH1 1B A 5мкс 2,01B VERT -6,11B VERT



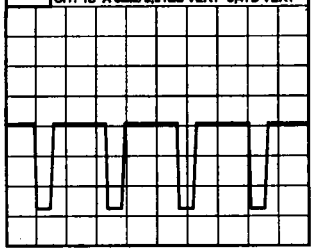
31 5,6Bp-p (IC110 PIN16) CH1 P-P=5,60B CH1 RMS=4,7848B
CH1 1B A 5мкс 3,91mB VERT



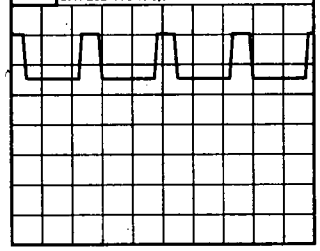
32 920mBp-p (IC101 PIN6) CH1 P-P=920mB CH1 RMS=3,0005B
CH1 1B A 5мкс 3,91mB VERT



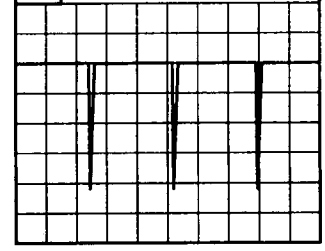
33 3,04Bp-p (IC101 PIN20) CH1 P-P=3,04B CH1 RMS=2,6809B
CH1 1B A 5мкс 3,91mB VERT -5,47B VERT

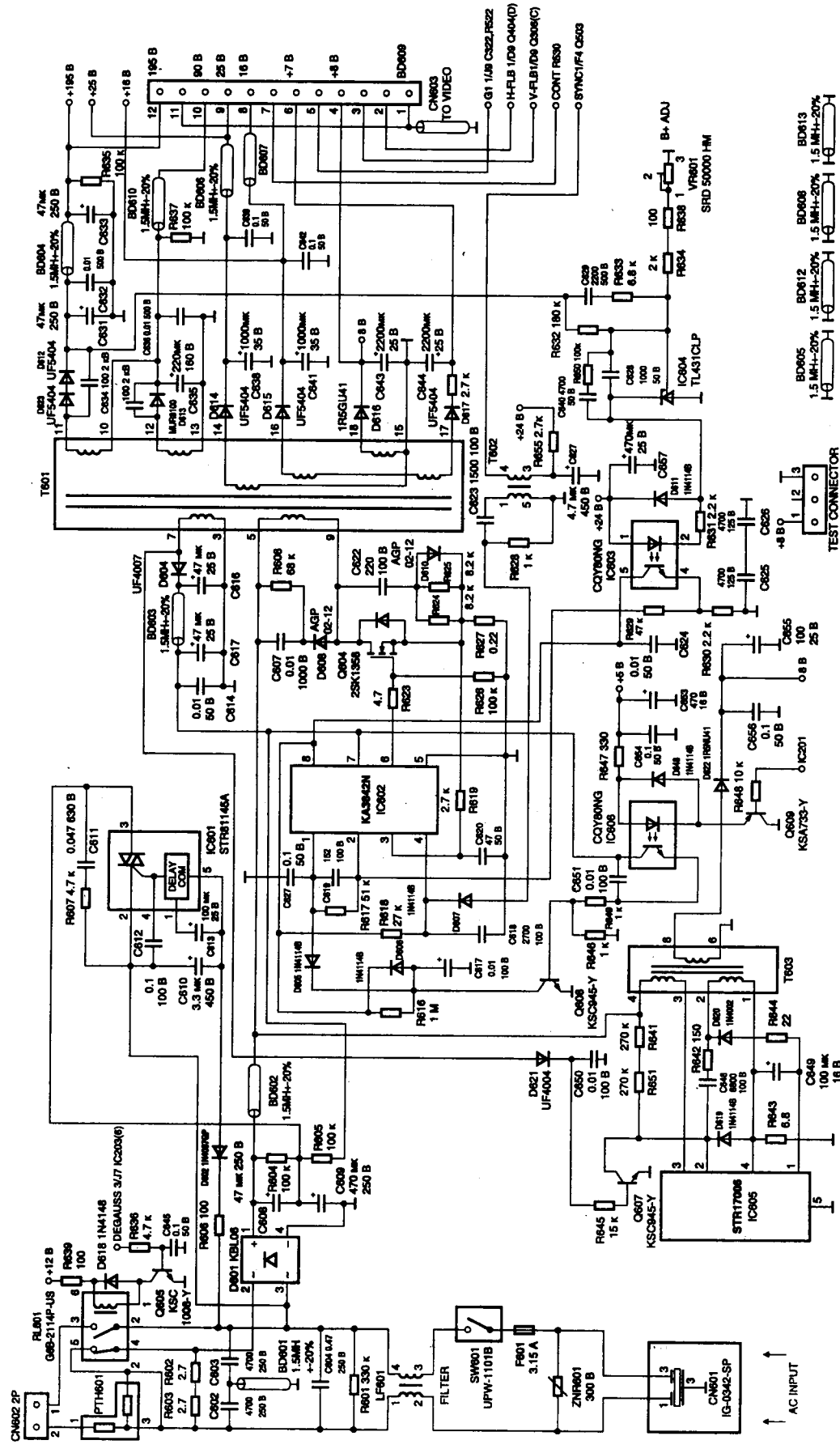


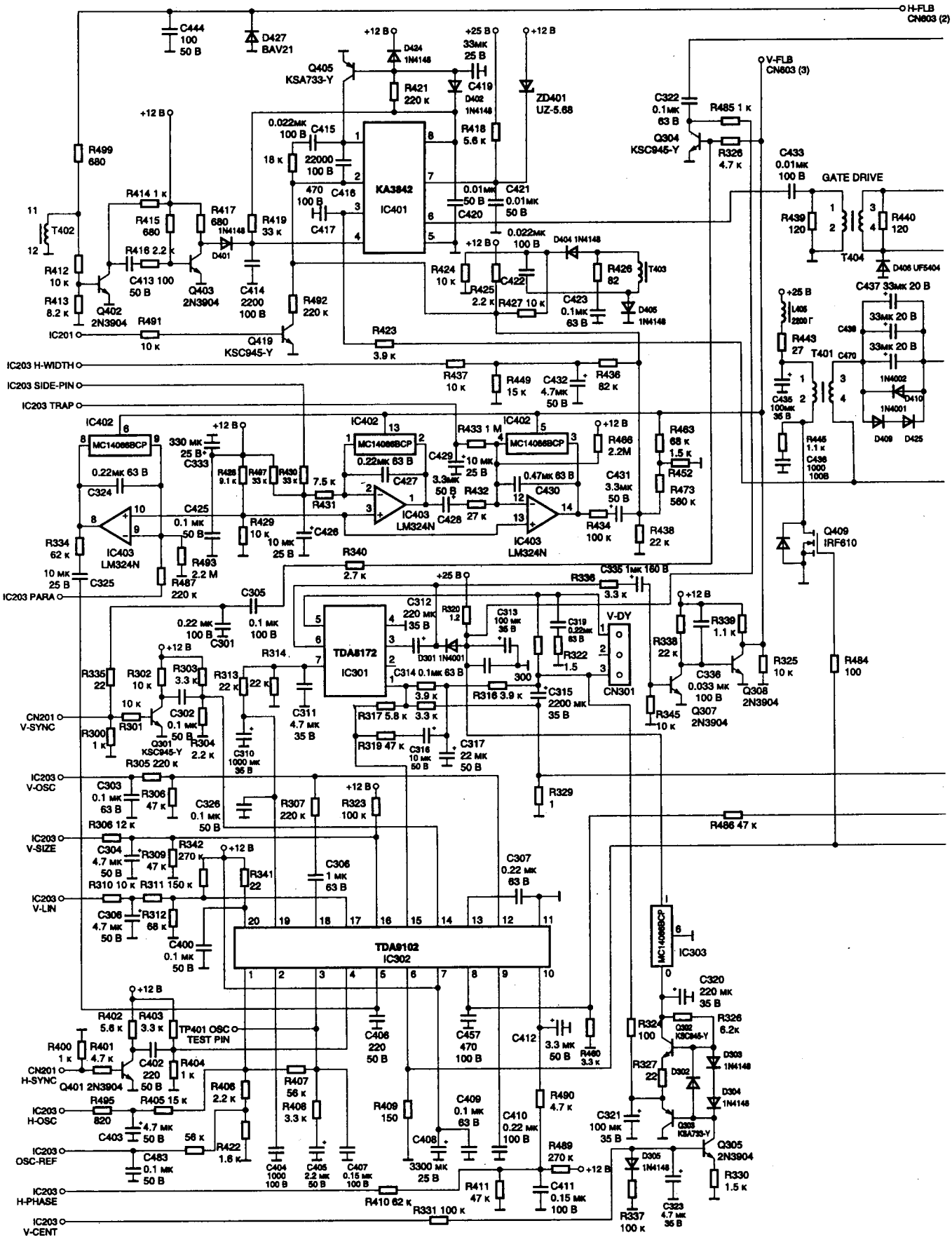
34 32,8Bp-p (CN105 PIN1) CH1 P-P=32,8B CH1 RMS=96,656B
CH1 20B A 5мкс 0,0B VERT



35 23Bp-p (CN105 PIN6) CH1 P-P=23,0B CH1 RMS=6,2491B
CH1 5B A 5мкс -7,3B VERT -5,47B VERT






H-FLB
CN603 (2)
V-FLB
CN603 (3)
GATE DRIVE
KA3842
IC401
TDA8172
IC301
TDA9102
IC302
IC303
IC403
LM324N
MC14066BCP
BAV21
KSA733-Y
KSC945-Y
2N3904
IRF610
UZ-5.6B
1N4148
1N4001
1N4002
UF5404
IC203 H-WIDTH
IC203 SIDE-PIN
IC203 TRAP
IC203 PARA
CN201 V-SYNC
IC203 V-OSC
IC203 V-SIZE
IC203 V-LIN
CN201 H-SYNC
IC203 H-OSC
IC203 OSC-REF
IC203 H-PHASE
IC203 V-CENT
TP401 OSC TEST PIN
V-DY
CN301
T401
T402
T403
T404
+12 В
+25 В